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John J. Kelly

Reg. No.: 29,182

Examiner : Andrew E. Wessman
Art Unit : 1742
Docket No.: 52437/25

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: K. TAKAHASHI et al.
Serial No.: 09/919,392
Filed : July 31, 2001
For : TITANIUMS. HAVING EXCELLENT IMPACT RESISTANCE
AND MANUFACTURING METHODS

Commissioner for Patents
Washington, D.C. 20231

AMENDMENT

Sir:

Kindly amend the above-identified patent application as follows.

In The Claims

Cancel claims 1-4.

Add the following new claims 5-8.

B 1
--5. (New) Titanium having impact resistance consisting essentially of total concentration S of oxygen, nitrogen and carbon, [O], [N], [C], between 0.04 and 0.27 mass percent, not more 0.1 mass percent iron, substantially no copper, and the balance being titanium and unavoidable impurities, and having Vickers hardness Hv* controlled by work-hardening to the range satisfying one of the following equations (1), (2) and (3):

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